

CRFE

# SEARCH REQUEST FORM

Scientific and Technical Information Center

Access DB# 185/191  
4/17

Requester's Full Name: DAVID GUZO Examiner #: 70677 Date: 4/13/06  
Art Unit: 1636 Phone Number 302-272-0767 Serial Number: 10/764553  
Mail Box and Bldg/Room Location: Rensen 2A29 Results Format Preferred (circle) PAPER DISK E-MAIL  
Mailbox: 2C70

If more than one search is submitted, please prioritize searches in order of need.

\*\*\*\*\*  
Please provide a detailed statement of the search topic, and describe as specifically as possible the subject matter to be searched. Include the elected species or structures, keywords, synonyms, acronyms, and registry numbers, and combine with the concept or utility of the invention. Define any terms that may have a special meaning. Give examples or relevant citations, authors, etc. if known. Please attach a copy of the cover sheet, pertinent claims, and abstract.

Title of Invention: \_\_\_\_\_

Inventors (please provide full names): \_\_\_\_\_

Earliest Priority Filing Date: \_\_\_\_\_

\*For Sequence Searches Only\* Please include all pertinent information (parent, child, divisional, or issued patent numbers) along with the appropriate serial number.

*Please run a regular plus interference sequence search on SEQ ID NO: 2.*

Thinks

2-266na  
LB

4/18  
WK

RECEIVED  
APR 13 2006  
M/CHEN, H  
(STG)

STAFF USE ONLY

Searcher: Port

Type of Search

NA Sequence (#) 1

Vendors and cost where applicable

STN



Day : Thursday  
Date: 4/13/2006

Time: 11:36:34

## Inventor Name Search

Enter the **first few letters** of the Inventor's Last Name.  
Additionally, enter the **first few letters** of the Inventor's First name.

**Last Name**

**First Name**

To go back use Back button on your browser toolbar.

Back to [PALM](#) | [ASSIGNMENT](#) | [OASIS](#) | [Home page](#)

Set	Items	Description
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Set	Items	Description
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? set hi ;set hi
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HIGHLIGHT set on as ''
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HIGHLIGHT set on as ''
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? begin 5,6,55,154,155,156,312,399,biotech,biosci
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>>> 135 is unauthorized
```

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>>> 44 is unauthorized
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Set	Items	Description
? s	tuberculosis and rel	
	915544	TUBERCULOSIS
	31519	REL
S1	152	TUBERCULOSIS AND REL
? s	s1 and ojha	
	152	S1
	106	OJHA
S2	0	S1 AND OJHA
? s	s1 and RelA	
	152	S1
	13045	RELA
S3	27	S1 AND RELA
? rd	s3	

>>>Duplicate detection is not supported for File 391.

>>>Records from unsupported files will be retained in the RD set.

S4 13 RD S3 (unique items)

? d s4/3/1-13

Display 4/3/1 (Item 1 from file: 5)

DIALOG(R)File 5:Biosis Previews(R)

(c) 2006 BIOSIS. All rts. reserv.

0012701075 BIOSIS NO.: 200000419388

The stringent response of Mycobacterium **tuberculosis** is required for long-term survival

AUTHOR: Primm Todd P; Andersen Susan J; Mizrahi Valerie; Avarbock David; Rubin Harvey; Barry Clifton E III (Reprint)

AUTHOR ADDRESS: Tuberculosis Research Section, LHD/NIAID, National Institutes of Health, 12441 Parklawn Dr., Twinbrook II, Room 239, Rockville, MD, 20852, USA\*\*USA

JOURNAL: Journal of Bacteriology 182 (17): p4889-4898 September, 2000 2000

MEDIUM: print

ISSN: 0021-9193

DOCUMENT TYPE: Article

RECORD TYPE: Abstract

LANGUAGE: English

- end of record -

? Display 4/3/2 (Item 1 from file: 154)

DIALOG(R)File 154:MEDLINE(R)

(c) format only 2006 Dialog. All rts. reserv.

15375655 PMID: 15774887

The **relA** homolog of Mycobacterium smegmatis affects cell appearance, viability, and gene expression.

Dahl John L; Arora Kriti; Boshoff Helena I; Whiteford Danelle C; Pacheco Sophia A; Walsh Olaus J; Lau-Bonilla Dalia; Davis William B; Garza Anthony G

School of Molecular Biosciences, Washington State University, Science Hall, Room 301, Pullman, WA 99164, USA. johndahl@wsu.edu

Journal of bacteriology (United States) Apr 2005, 187 (7) p2439-47, ISSN 0021-9193--Print Journal Code: 2985120R

Contract/Grant No.: AI-75320; AI; NIAID

Publishing Model Print

Document type: Journal Article

Languages: ENGLISH

Main Citation Owner: NLM

Record type: MEDLINE; Completed

- end of record -

? Display 4/3/3 (Item 1 from file: 399)

DIALOG(R)File 399:CA SEARCH(R)

(c) 2006 American Chemical Society. All rts. reserv.

143127425 CA: 143(8)127425u JOURNAL  
Identification and characterization of rel promoter element of  
Mycobacterium tuberculosis  
AUTHOR(S): Jain, Vikas; Sujatha, Subbanna; Ojha, Anil Kumar; Chatterji,  
Dipankar  
LOCATION: Molecular Biophysics Unit, Indian Institute of Science,  
Bangalore, 560 012, India  
JOURNAL: Gene (Gene) DATE: 2005 VOLUME: 351, PAGES: 149-157 CODEN:  
GENED6 ISSN: 0378-1119 PUBLISHER ITEM IDENTIFIER: 0378-1119(05)00148-4  
LANGUAGE: English PUBLISHER: Elsevier B.V.

- end of record -

?

Display 4/3/4 (Item 2 from file: 399)  
DIALOG(R)File 399:CA SEARCH(R)  
(c) 2006 American Chemical Society. All rts. reserv.

142442913 CA: 142(24)442913e PATENT  
Mycobacteria relA gene promoter for high-throughput screening for  
inhibitors against Mycobacteria under low carbon conditions  
INVENTOR(AUTHOR): Chatterjee, Deepankar  
LOCATION: USA  
ASSIGNEE: Council of Scientific & Industrial Research  
PATENT: U.S. Pat. Appl. Publ. ; US 20050095252 A1 DATE: 20050505  
APPLICATION: US 2004764553 (20040127) \*US 2003PV442511 (20030127)  
PAGES: 20 pp. CODEN: USXXCO LANGUAGE: English  
PATENT CLASSIFICATIONS:  
CLASS: 424168100; A61K-039/40A; C12Q-001/68B; G01N-033/554B;  
G01N-033/569B; C12N-015/74B; C12N-001/21B

- end of record -

?

Display 4/3/5 (Item 1 from file: 24)  
DIALOG(R)File 24:CSA Life Sciences Abstracts  
(c) 2006 CSA. All rts. reserv.

0001989789 IP ACCESSION NO: 4569434  
Cloning and characterization of a bifunctional RelA/SpoT homologue  
from Mycobacterium tuberculosis

Avarbock, D; Salem, J; Li, LS; Wang, ZM; Rubin, H  
Division of Infectious Diseases, Department of Medicine, University of  
Pennsylvania, School of Medicine, Philadelphia, PA 19104, USA

Gene, v 233, n 1-2, p 261-269, June 11, 1999  
PUBLICATION DATE: 1999

PUBLISHER: Elsevier Science B.V.

DOCUMENT TYPE: Journal Article  
RECORD TYPE: Abstract  
LANGUAGE: English

-more-

?

Display 4/3/5 (Item 1 from file: 24)  
DIALOG(R)File 24:CSA Life Sciences Abstracts  
(c) 2006 CSA. All rts. reserv.  
SUMMARY LANGUAGE: English  
ISSN: 0378-1119  
FILE SEGMENT: Bacteriology Abstracts (Microbiology B); Nucleic Acids  
Abstracts; Genetics Abstracts

- end of record -

?

Display 4/3/6 (Item 1 from file: 34)  
DIALOG(R)File 34:SciSearch(R) Cited Ref Sci  
(c) 2006 Inst for Sci Info. All rts. reserv.

14182978    Genuine Article#: 947FF    No. References: 21  
Title: Functional regulation of the opposing (p)ppGpp synthetase/hydrolase activities of **Rel**(Mtb) from Mycobacterium **tuberculosis**  
Author(s): Avarbock A; Avarbock D; Teh JS; Buckstein M; Wang ZM; Rubin H (REPRINT)  
Corporate Source: Univ Penn,Sch Med, Dept Med, Div Infect Dis,522 Johnson Pavil/Philadelphia//PA/19104 (REPRINT); Univ Penn,Sch Med, Dept Med, Div Infect Dis,Philadelphia//PA/19104 (rubinh@mail.med.upenn.edu)  
Journal: BIOCHEMISTRY, 2005, V44, N29 (JUL 26), P9913-9923  
ISSN: 0006-2960    Publication date: 20050726  
Publisher: AMER CHEMICAL SOC, 1155 16TH ST, NW, WASHINGTON, DC 20036 USA  
Language: English    Document Type: ARTICLE    (ABSTRACT AVAILABLE)

- end of record -

?

Display 4/3/7            (Item 2 from file: 34)  
DIALOG(R)File 34:SciSearch(R) Cited Ref Sci  
(c) 2006 Inst for Sci Info. All rts. reserv.

12436095    Genuine Article#: 766VD    No. References: 18  
Title: Deletion of the **rel** gene in Mycobacterium smegmatis reduces its stationary phase survival without altering the cell-surface associated properties  
Author(s): Mathew R; Ojha AK; Karande AA; Chatterji D (REPRINT)  
Corporate Source: Indian Inst Sci,Mol Biophys Unit,Bangalore 560012/Karnataka/India/ (REPRINT); Indian Inst Sci,Mol Biophys Unit,Bangalore 560012/Karnataka/India/; Indian Inst Sci,Dept Biochem,Bangalore 560012/Karnataka/India/; Indian Inst Sci,Jawaharlal Nehru Ctr Adv Sci Res,Bangalore 560064/Karnataka/India/  
Journal: CURRENT SCIENCE, 2004, V86, N1 (JAN 10), P149-153  
ISSN: 0011-3891    Publication date: 20040110  
Publisher: CURRENT SCIENCE ASSN, C V RAMAN AVENUE, PO BOX 8005, BANGALORE 560 080, INDIA  
Language: English    Document Type: ARTICLE    (ABSTRACT AVAILABLE)

- end of record -

?

Display 4/3/8            (Item 3 from file: 34)  
DIALOG(R)File 34:SciSearch(R) Cited Ref Sci  
(c) 2006 Inst for Sci Info. All rts. reserv.

10659221    Genuine Article#: 552AP    No. References: 51  
Title: Intramolecular regulation of the opposing (p)ppGpp catalytic activities of **Rel**(Seq), the **Rel**/Spo enzyme from Streptococcus equisimilis  
Author(s): Mechold U; Murphy H; Brown L; Cashel M (REPRINT)  
Corporate Source: NICHD,Genet Mol Lab, NIH,Bldg 6B,Room 3B-314/Bethesda//MD/20892 (REPRINT); NICHD,Genet Mol Lab, NIH,Bethesda//MD/20892  
Journal: JOURNAL OF BACTERIOLOGY, 2002, V184, N11 (JUN), P2878-2888  
ISSN: 0021-9193    Publication date: 20020600  
Publisher: AMER SOC MICROBIOLOGY, 1752 N ST NW, WASHINGTON, DC 20036-2904 USA  
Language: English    Document Type: ARTICLE    (ABSTRACT AVAILABLE)

- end of record -

?

Display 4/3/9            (Item 4 from file: 34)  
DIALOG(R)File 34:SciSearch(R) Cited Ref Sci  
(c) 2006 Inst for Sci Info. All rts. reserv.

09930331    Genuine Article#: 466AH    No. References: 96  
Title: Comparative genomics and evolution of genes encoding bacterial (p)ppGpp synthetases/hydrolases (the **rel**, **RelA** and SpoT proteins)  
Author(s): Mittenhuber G (REPRINT)  
Corporate Source: Univ Greifswald,Inst Mikrobiol & Mol Biol,FL Jahnstr 15/D-17487 Greifswald//Germany/ (REPRINT); Univ Greifswald,Inst

Mikrobiol & Mol Biol, D-17487 Greifswald//Germany/  
Journal: JOURNAL OF MOLECULAR MICROBIOLOGY AND BIOTECHNOLOGY, 2001, V3, N4  
(OCT), P585-600  
ISSN: 1464-1801 Publication date: 20011000  
Publisher: HORIZON SCIENTIFIC PRESS, PO BOX 1, NORFOLK, WYMONDHAM NR18 0JA,  
ENGLAND  
Language: English Document Type: ARTICLE (ABSTRACT AVAILABLE)

- end of record -

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Display 4/3/10 (Item 1 from file: 73)  
DIALOG(R)File 73:EMBASE  
(c) 2006 Elsevier Science B.V. All rts. reserv.

12629260 EMBASE No: 2004207101

The two NF-kappaB activation pathways and their role in innate and  
adaptive immunity

Bonizzi G.; Karin M.

G. Bonizzi, Department of Pharmacology, School of Medicine, University of  
California San Diego, 9500 Gilman Drive, San Diego, CA 92093-0636 United  
States

AUTHOR EMAIL: giuseppina.bonizzi@ieo-research.it

Trends in Immunology ( TRENDS IMMUNOL. ) (United Kingdom) 01 JUN 2004,  
25/6 (280-288)

CODEN: TIRMA ISSN: 1471-4906

PUBLISHER ITEM IDENTIFIER: S1471490604001000

DOCUMENT TYPE: Journal ; Review

LANGUAGE: ENGLISH SUMMARY LANGUAGE: ENGLISH

NUMBER OF REFERENCES: 64

- end of record -

?

Display 4/3/11 (Item 2 from file: 73)  
DIALOG(R)File 73:EMBASE  
(c) 2006 Elsevier Science B.V. All rts. reserv.

11802486 EMBASE No: 2002374605

Respiratory syncytial virus-induced activation of nuclear factor-kappaB  
in the lung involves alveolar macrophages and toll-like receptor  
4-dependent pathways

Haeberle H.A.; Takizawa R.; Casola A.; Brasier A.R.; Dieterich H.-J.; Van  
Rooijen N.; Gatalica Z.; Garofalo R.P.

Dr. R.P. Garofalo, Dept. of Pediatrics, University of Texas Medical  
Branch, 301 University Blvd., Galveston, TX 77555-0369 United States

AUTHOR EMAIL: rpgarofa@utmb.edu

Journal of Infectious Diseases ( J. INFECT. DIS. ) (United States) 01

NOV 2002, 186/9 (1199-1206)

CODEN: JIDIA ISSN: 0022-1899

DOCUMENT TYPE: Journal ; Article

LANGUAGE: ENGLISH SUMMARY LANGUAGE: ENGLISH

NUMBER OF REFERENCES: 50

- end of record -

?

Display 4/3/12 (Item 1 from file: 98)  
DIALOG(R)File 98:General Sci Abs  
(c) 2005 The HW Wilson Co. All rts. reserv.

04045893 H.W. WILSON RECORD NUMBER: BGSA99045893 (USE FORMAT 7 FOR  
FULLTEXT)

Inorganic polyphosphate: a molecule of many functions.

Kornberg, Arthur

Rao, Narayana N; Ault-Riche, Dana

Annual Review of Biochemistry v. 68 (1999) p. 89-125

SPECIAL FEATURES: bibl il ISSN: 0066-4154

LANGUAGE: English

COUNTRY OF PUBLICATION: United States

WORD COUNT: 14462

- end of record -

?

Display 4/3/13 (Item 1 from file: 35)

DIALOG(R)File 35:Dissertation Abs Online

(c) 2006 ProQuest Info&Learning. All rts. reserv.

01779515 ORDER NO: AADAA-I9989566

Biochemical characterization of Rel(Mtb), a dual-function ATP: GTP 3'-pyrophosphoryltransferase and (p)ppGpp 3'-pyrophosphohydrolase: Implications for Mycobacterium tuberculosis dormancy

Author: Avarbock, David Howard

Degree: Ph.D.

Year: 2000

Corporate Source/Institution: University of Pennsylvania (0175)

Source: VOLUME 61/10-B OF DISSERTATION ABSTRACTS INTERNATIONAL.

PAGE 5289. 173 PAGES

ISBN: 0-599-96616-5

- end of record -

? d s4/9/1

Display 4/9/1 (Item 1 from file: 5)

DIALOG(R)File 5:Biosis Previews(R)

(c) 2006 BIOSIS. All rts. reserv.

0012701075 BIOSIS NO.: 200000419388

The stringent response of Mycobacterium tuberculosis is required for long-term survival

AUTHOR: Primm Todd P; Andersen Susan J; Mizrahi Valerie; Avarbock David; Rubin Harvey; Barry Clifton E III (Reprint)

AUTHOR ADDRESS: Tuberculosis Research Section, LHD/NIAID, National Institutes of Health, 12441 Parklawn Dr., Twinbrook II, Room 239, Rockville, MD, 20852, USA\*\*USA

JOURNAL: Journal of Bacteriology 182 (17): p4889-4898 September, 2000 2000

MEDIUM: print

ISSN: 0021-9193

DOCUMENT TYPE: Article

RECORD TYPE: Abstract

LANGUAGE: English

ABSTRACT: The stringent response utilizes hyperphosphorylated guanine

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Display 4/9/1 (Item 1 from file: 5)

DIALOG(R)File 5:Biosis Previews(R)

(c) 2006 BIOSIS. All rts. reserv.

((p)ppGpp) as a signaling molecule to control bacterial gene expression involved in long-term survival under starvation conditions. In gram-negative bacteria, (p)ppGpp is produced by the activity of the related \*\*\*RelA\*\*\* and SpoT proteins. Mycobacterium \*\*\*tuberculosis\*\*\* contains a single homolog of these proteins (RelMtb) and responds to nutrient starvation by producing (p)ppGpp. A relMtb knockout strain was constructed in a virulent strain of M. \*\*\*tuberculosis\*\*\*, H37Rv, by allelic replacement. The relMtb mutant displayed a significantly slower aerobic growth rate than the wild type in synthetic liquid media, whether rich or minimal. The growth rate of the wild type was equivalent to that of the mutant when citrate or phospholipid was employed as the sole carbon source. These two organisms also showed identical growth rates within a human macrophage-like cell line. These results suggest that the in vivo carbon source does not represent a stressful condition for the bacilli, since it appears to be utilized in a similar RelMtb-independent manner. In vitro growth in liquid media represents a condition that benefits from RelMtb-mediated adaptation. Long-term survival of the

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Display 4/9/1 (Item 1 from file: 5)

DIALOG(R)File 5:Biosis Previews(R)

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relMtb mutant during in vitro starvation or nutrient run out in normal media was significantly impaired compared to that in the wild type. In addition, the mutant was significantly less able to survive extended anaerobic incubation than the wild-type virulent organism. Thus, the RelMtb protein is required for long-term survival of pathogenic mycobacteria under starvation conditions.

DESCRIPTORS:

MAJOR CONCEPTS: Cell Biology; Metabolism; Nutrition

BIOSYSTEMATIC NAMES: Mycobacteriaceae--Mycobacteria, Actinomycetes and Related Organisms, Eubacteria, Bacteria, Microorganisms

ORGANISMS: Mycobacterium **tuberculosis** (Mycobacteriaceae)--strain-H37Rv

COMMON TAXONOMIC TERMS: Bacteria; Eubacteria; Microorganisms

CHEMICALS & BIOCHEMICALS: **RelA**; SpoT; hyperphosphorylated guanine; Mycobacterium **tuberculosis** **rel** gene

MISCELLANEOUS TERMS: cell survival; gene expression; stringent response

-more-

? d s4/9/5

Display 4/9/5 (Item 1 from file: 24)

DIALOG(R)File 24:CSA Life Sciences Abstracts

(c) 2006 CSA. All rts. reserv.

0001989789 IP ACCESSION NO: 4569434

Cloning and characterization of a bifunctional **RelA**/SpoT homologue from Mycobacterium **tuberculosis**

Avarbock, D; Salem, J; Li, LS; Wang, ZM; Rubin, H  
Division of Infectious Diseases, Department of Medicine, University of Pennsylvania, School of Medicine, Philadelphia, PA 19104, USA

Gene, v 233, n 1-2, p 261-269, June 11, 1999

PUBLICATION DATE: 1999

PUBLISHER: Elsevier Science B.V.

DOCUMENT TYPE: Journal Article

RECORD TYPE: Abstract

LANGUAGE: English

-more-

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Display 4/9/5 (Item 1 from file: 24)

DIALOG(R)File 24:CSA Life Sciences Abstracts

(c) 2006 CSA. All rts. reserv.

SUMMARY LANGUAGE: English

ISSN: 0378-1119

FILE SEGMENT: Bacteriology Abstracts (Microbiology B); Nucleic Acids Abstracts; Genetics Abstracts

ABSTRACT:

A 2.2 kb **\*\*\*relA\*\*\*** /spoT homologue was isolated from Mycobacterium **\*\*\*tuberculosis\*\*\*** (Mtb) genomic DNA by PCR-amplification. The Mtb gene encodes a protein of 738 amino acid residues, and is flanked upstream by an ORF that is highly similar to the apt gene, and downstream by an ORF that is highly similar to the cypH gene. This dual function Mtb homologue belongs to the **relA**/spoT family of genes that mediate the stringent response by regulating the synthesis and degradation of guanosine 3',5'-bis(diphosphate) (ppGpp) and pppGpp. In vitro biochemical data indicate that purified **Rel** sub(Mtb) is a ribosome- and tRNA-independent ATP:GTP/GDP/ITP 3'-pyrophosphoryltransferase. Additionally, purified **Rel** sub(Mtb) is an Mn super(2+)-dependent,

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Display 4/9/5 (Item 1 from file: 24)

DIALOG(R)File 24:CSA Life Sciences Abstracts

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ribosome and tRNA-independent, (p)ppGpp 3'-pyrophosphohydrolase. These reactions were also assessed in vivo in E. coli deleted in both the \*\*\*relA\*\*\* and spoT genes, which generates a (p)ppGpp super(0) phenotype. Rel sub(Mtb) can suppress this phenotype and can generate more (p)ppGpp than \*\*\*relA\*\*\* in the wild type E. coli control.

DESCRIPTORS: DNA; Polymerase chain reaction; Gene amplification; SpoT protein; RelA protein; Mycobacterium tuberculosis

SUBJ CATG: 02740, Genetics and evolution; 14640, Structure & sequence; 07320, Bacterial genetics

- end of record -

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Set	Items	Description
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? set hi ;set hi

HIGHLIGHT set on as ''

HIGHLIGHT set on as ''

? begin 5,6,55,154,155,156,312,399,biotech,biosci

>>> 135 is unauthorized

Set	Items	Description
? s	mycobacteria	and (rel or relA)
	158213	MYCOBACTERIA
	31601	REL
	13093	RELA
S1	71	MYCOBACTERIA AND (REL OR RELA)
? s	mycobacteria	and (rel or relA or "relA/Spot")
	158213	MYCOBACTERIA
	31601	REL
	13093	RELA
	4	RELA/SPOT
S2	71	MYCOBACTERIA AND (REL OR RELA OR "RELA/SPOT")
? rd	s2	

>>>Duplicate detection is not supported for File 391.

>>>Records from unsupported files will be retained in the RD set.

S3	27	RD S2 (unique items)
? s	mycobacteria	and (rel or relA or "relA/Spot") (5n) promoter?
	158213	MYCOBACTERIA
	31601	REL
	13093	RELA
	4	RELA/SPOT
	1258435	PROMOTER?
	1049	((REL OR RELA) OR RELA/SPOT) (5N) PROMOTER?
S4	13	MYCOBACTERIA AND (REL OR RELA OR "RELA/SPOT") (5N) PROMOTER?
? rd	s4	

>>>Duplicate detection is not supported for File 391.

>>>Records from unsupported files will be retained in the RD set.

S5	5	RD S4 (unique items)
? d	s5/3/1-5	
	Display 5/3/1	(Item 1 from file: 5)
DIALOG(R)File 5:Biosis Previews(R)		
(c) 2006 BIOSIS. All rts. reserv.		

0015468249 BIOSIS NO.: 200510162749  
 Identification and characterization of **rel promoter** element of  
 Mycobacterium tuberculosis  
 AUTHOR: Jain Vikas; Sujatha Subbanna; Ojha Anil Kumar; Chatterji Dipankar  
 (Reprint)  
 AUTHOR ADDRESS: Indian Inst Sci, Mol Biophys Unit, Bangalore 560012,  
 Karnataka, India\*\*India  
 AUTHOR E-MAIL ADDRESS: dipankar@mbu.iisc.ernet.in  
 JOURNAL: Gene (Amsterdam) 351 p149-157 MAY 23 2005 2005  
 ISSN: 0378-1119  
 DOCUMENT TYPE: Article  
 RECORD TYPE: Abstract  
 LANGUAGE: English

- end of record -

? Display 5/3/2	(Item 1 from file: 399)
DIALOG(R)File 399:CA SEARCH(R)	
(c) 2006 American Chemical Society. All rts. reserv.	

142445863 CA: 142(24)445863z JOURNAL  
 Mycobacteria Inhibition of IFN- $\gamma$  Induced HLA-DR Gene Expression by  
 Up-Regulating Histone Deacetylation at the Promoter Region in Human THP-1  
 Monocytic Cells  
 AUTHOR(S): Wang, Yue; Curry, Heather M.; Zwilling, Bruce S.; Lafuse,  
 William P.  
 LOCATION: Departments of Molecular Virology, Immunology, and Medical  
 Genetics, Ohio State University, Columbus, OH, 43210, USA  
 JOURNAL: J. Immunol. (Journal of Immunology) DATE: 2005 VOLUME: 174

NUMBER: 9 PAGES: 5687-5694 CODEN: JOIMA3 ISSN: 0022-1767 LANGUAGE:  
English PUBLISHER: American Association of Immunologists

- end of record -

?

Display 5/3/3 (Item 2 from file: 399)  
DIALOG(R)File 399:CA SEARCH(R)  
(c) 2006 American Chemical Society. All rts. reserv.

142442913 CA: 142(24)442913e PATENT  
Mycobacteria relA gene promoter for high-throughput screening for  
inhibitors against Mycobacteria under low carbon conditions  
INVENTOR(AUTHOR): Chatterjee, Deepankar  
LOCATION: USA  
ASSIGNEE: Council of Scientific & Industrial Research  
PATENT: U.S. Pat. Appl. Publ. ; US 20050095252 A1 DATE: 20050505  
APPLICATION: US 2004764553 (20040127) \*US 2003PV442511 (20030127)  
PAGES: 20 pp. CODEN: USXXCO LANGUAGE: English  
PATENT CLASSIFICATIONS:  
CLASS: 424168100; A61K-039/40A; C12Q-001/68B; G01N-033/554B;  
G01N-033/569B; C12N-015/74B; C12N-001/21B

- end of record -

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Display 5/3/4 (Item 3 from file: 399)  
DIALOG(R)File 399:CA SEARCH(R)  
(c) 2006 American Chemical Society. All rts. reserv.

121074885 CA: 121(7)74885f JOURNAL  
Transcription and expression analysis, using lacZ and phoA gene fusions,  
of Mycobacterium fortuitum  $\beta$ -lactamase genes cloned from a natural  
isolate and a high-level  $\beta$ -lactamase producer  
AUTHOR(S): Timm, J.; Perilli, M. G.; Duez, C.; Trias, J.; Orefici, G.;  
Fattorini, L.; Amicosante, G.; Oratore, A.; Joris, B.; et al.  
LOCATION: Unite Genet. Mycobact., Inst. Pasteur, 75724, Paris, Fr.  
JOURNAL: Mol. Microbiol. DATE: 1994 VOLUME: 12 NUMBER: 3 PAGES:  
491-504 CODEN: MOMIEE ISSN: 0950-382X LANGUAGE: English

- end of record -

?

Display 5/3/5 (Item 1 from file: 357)  
DIALOG(R)File 357:Derwent Biotech Res.  
(c) 2006 Thomson Derwent & ISI. All rts. reserv.

0370433 DBR Accession No.: 2005-16139 PATENT  
New promoter derived from Mycobacterium tuberculosis, useful for high  
throughput screening and developing inhibitors of M. tuberculosis under  
low carbon or starved conditions - promoter and expression vector for  
use in drug screening and high throughput screening  
AUTHOR: CHATTERJEE D  
PATENT ASSIGNEE: COUNCIL SCI and IND RES INDIA 2005  
PATENT NUMBER: US 20050095252 PATENT DATE: 20050505 WPI ACCESSION NO.:  
2005-344982 (200535)  
PRIORITY APPLIC. NO.: US 764553 APPLIC. DATE: 20040127  
NATIONAL APPLIC. NO.: US 764553 APPLIC. DATE: 20040127  
LANGUAGE: English

- end of record -

?

? s pGEMT (n) easy and mycobacter?

207 PGEMT  
474066 EASY  
63 PGEMT(N)EASY  
464198 MYCOBACTER?  
S6 0 PGEMT (N) EASY AND MYCOBACTER?

? s pGEMT and (rel or relA)

207 PGEMT  
31601 REL  
13093 RELA

S7 0 PGEMT AND (REL OR RELA)  
? e au=chatterjee, deepankar

Ref	Items	Index-term
E1	1	AU=CHATTERJEE, DEBRATA
E2	11	AU=CHATTERJEE, DEEPAK KUMAR
E3	1	*AU=CHATTERJEE, DEEPANKAR
E4	334	AU=CHATTERJEE, DELPHI
E5	1	AU=CHATTERJEE, DEVARSHI
E6	43	AU=CHATTERJEE, DEVASIS
E7	42	AU=CHATTERJEE, DEVESH
E8	21	AU=CHATTERJEE, DEVJANI
E9	6	AU=CHATTERJEE, DEVNANDAN
E10	1	AU=CHATTERJEE, DHEEMAN
E11	20	AU=CHATTERJEE, DHIMAN
E12	5	AU=CHATTERJEE, DHRUBA J.

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? e au=chatterjee deepankar

Ref	Items	Index-term
E1	5	AU=CHATTERJEE DEBDUTTA
E2	3	AU=CHATTERJEE DEBNATH M
E3	0	*AU=CHATTERJEE DEEPANKAR
E4	119	AU=CHATTERJEE DELPHI
E5	1	AU=CHATTERJEE DEVASHIS
E6	97	AU=CHATTERJEE DEVASIS
E7	21	AU=CHATTERJEE DEVJANI
E8	2	AU=CHATTERJEE DEVLINA
E9	16	AU=CHATTERJEE DHIMAN
E10	12	AU=CHATTERJEE DHRUBA J
E11	1	AU=CHATTERJEE DHRUBA P
E12	3	AU=CHATTERJEE DILIP

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